

Claims of Amendment

Claims of Amendment [The International Bureau accepted on March 24, 2005 (24.03.05): claims 1, 4 and 5 of the original application were amended; claims 2 and 3 of the original application were withdrawn, new claim 6 was added. (1 page)]

1. (After amendment) A high-voltage transformer provided with a bobbin in which frames of a primary-side winding and a secondary-side winding are provided on both sides of a frame of a magnetic-coupling adjusting winding to sandwich the frame of the magnetic-coupling adjusting winding, in order to make the frames of the primary-side winding, the secondary-side winding and the magnetic-coupling adjusting winding located in the same magnetic path,

wherein a first flange part is provided between the frame of the primary-side winding and the frame of the magnetic-coupling adjusting winding, and a second flange part is provided between the frame of the secondary-side winding and the frame of the magnetic-coupling adjusting winding, and

wherein a part of one of the primary-side winding and the secondary-side winding is wound around the frame of the magnetic-coupling adjusting winding through a notch part which is formed in the first flange part or the second flange part located on the lower surface side of the bobbin.

2. (Deleted)

3. (Deleted)

4. (After amendment) The high-voltage transformer according to claim 1, wherein a part of the primary-side winding is wound around the frame of the magnetic-coupling adjusting winding to largely adjust the leakage inductance.

5. (After amendment) The high-voltage transformer according to claim 1, wherein a part of the secondary-side winding is wound around the frame of the magnetic-coupling adjusting winding to finely adjust the leakage inductance.
6. (Added) The high-voltage transformer according to any one of claims 1, 4, 5, wherein pin-shaped terminals for substrate connection are provided for the bobbin, pin-shaped terminals extend in one direction substantially orthogonal to a direction in which the frames of the primary-side winding, the magnetic-coupling adjusting winding, and the secondary-side winding are arranged.